TENDER DOCUMENT

BRUHAT BANGALORE MAHANAGARA PALIKE
(B.B.M.P)

TENDER DOCUMENT FOR "Repairs to Electrical installations to Prashanthnagara Maternity Hospital at Govindarajnagar in Ward No 136." IN WEST ZONE OF BBMP, BANGALORE.

TYPE OF TENDER	: SINGLE COVER ITEM RATE
TENDER NOTIFICATION NO AND DATE	: **BBMP/EE/ELE/ W/TEND/11/2024-25 Dated : 31/01/2025**
PACKAGE NAME	**: Shifting of Transformer and repairs to Gubbi Veeranna Ranga Mandir Transfomer yard in ward no 123.**
ESTIMATE COST(Rs.in Lakhs)	: Rs.30.00 Lakhs
TENDER DOCUMENT AVAILABLE FROM	: 05-02-2025
LAST DATE AND TIME FOR SUBMISSION TENDERS	: 15-02-2025 at 16.00 hrs
TIME AND DATE OF OPENING OF TECHNICAL TENDERS	: 17-02-2025 at 11.30 hrs

Executive Engineer (Electrical)
West Zone
Bruhat Bangalore Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

Tender For The Work of "OPERATION AND MAINTENANCE CONTRACT OF STREET LIGHTING SYSTEM" IN WEST ZONE OF BBMP, BANGALORE.

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Executive Engineer (Ele)
West Zone
Bruhath Bangalore Mahanagara Palike

BRUHAT BENGALURU MAHANAGARA PALIKE

TN.No: EE(Ele)/W/TN/ 11 /2024-25

The Executive Engineer (Electrical)
Bruhat Bangalore Mahanagara Palike
West Division, #98, 8th Cross,
Malleshwaram, Bangalore – 560 003.
Dated: 31-01-2025

INVITATION FOR SHORT TERM TENDER
(Only through E-Procurement)

The Executive Engineer Elec (West) invites tenders from eligible contractors for the works detailed in the table given below. The Contractors may submit tenders for any or all of the works given in the table in appropriate class registered in Bruhat Bangalore Mahanagara Palike/CPWD/KPWD/Railways/MES / any State or Central Govt. organization.

Tender documents may be downloaded from Government of Karnataka e-Procurement website https://kppp.karnataka.gov.in/eportal/index.seam under login for Contractors:

a. After login to Contractors, Please scroll down to the right side bottom to see List of Tenders, Please click there to find the details of NIT and download copy of the tender. The tender can be downloaded in the portal as per prescribed date and time published in the portal. Only Interested Contractors who wish to participate should remit on line transaction fee for tender after registering in the portal. The transaction fee is non-refundable if you wish to participate.

Tenders must be accompanied by earnest money deposit which should be paid online through e-Procurement portal using any of the following payment modes: Credit Card ,Direct Debit, National Electronic Fund Transfer (NEFT),Over the Counter (OTC).

Tenders must be electronically submitted (on-line through internet) within the date and time published in e-procurement portal. Tenders will be opened at prescribed time and date in the e-procurement portal , in the presence of the Contractors who wish to attend at the OFFICE OF THE EXECUTIVE ENGINEER, ELEC (WEST), BBMP, #98, Ist Floor, 8th Cross, Malleshwaram, Bangalore – 560 003

Other details can be seen in the tender documents.

TABLE

Sl No	Ward No	Works Details	Est Amt Lakhs)	Period for completion of Work	EMD in Rs	Tender Processing Fee	Class
Works Reserved for Schedule Caste (S.C)							

1	132	Repairs to Electrical Installations to Subash Chandra Bose Park, Siddappaji Park, ABCD Park, Lalitha Ganapathi Park, Motappa Park, Muthayalamma Park, Dhobi Ghat Park, at Rajajinagar Assembly Constituency.	1600000.00	120 Days	20000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
2	158	Annual Electrical maintenance of BBMP Buildings Referral Hospitals Maternity Hospitals and Health Centres including D.G.sets, motors Pumps, Air conditioners, UPS and connected accessories coming under Chamarajpet Constituency	700000.00	365 Days	8750.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
3	140 & 139	Annual Electrical Maintenance and Repairs to Gyana soudha and Sri shivakumara swamy in ward no 140 & 139	400000.00	365 Days	5000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
4	122	Annual Electrical maintenance of Gubbi Ranga Mandira, Raliway Station Sub way, Sangam sub way, Malleshwaram sub and Sujatha Sub way in ward No 122, 123 &125	1000000.00	365 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
5	136	Repairs to Electrical Installations to Prashanthnagara Maternity hospital at Govindarajnagar in Ward no 136	3000000.00	120 Days	30000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
6	132	Annual Electrical maintenance and Repairs of Dr.Rajkumar Kalamandira and shopping complex including D.G.sets, motors A C & connected accessories in ward no 132.	1500000.00	365 Days	18750.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above

7	60	Annual Maintenance to Harishchandra Ghat Electrical Crematorium in Ward no . 60	2000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
Works Reserved for Schedule Caste (S.T)							
8	154	Repairs to Panel Boards, AMF Panel, UG Cables at Mysore Road Electrical Crematorium in Ward no 154	1000000.00	90 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
9	55	Annual Electrical maintenance of BBMP Buildings Referral Hospitals, Maternity Hospitals and Health Centres including D.G.sets, motors Pumps, Air conditioners, UPS and connected accessories coming under Malleshwaram Constituency	800000.00	365 Days	10000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
10	122	Servicing and repairing of 29 Nos D G Sets coming under west zone	2000000.00	120 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
Works Reserved for Category I (CAT-I)							
11	55	Repairs to Electrical installations to Ramana Maharshi Park at Malleshwaram In ward no 55.	1000000.00	90 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
Works Reserved for Category 2A (CAT-II(A))							
12	136	Repairs to Electrical Installations to Purandaradasa Park in ward no 136 Govindaraja Nagar	300000.00	90 Days	7500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
13	139	Repairs to Electrical Installations to Canara Bank Colony park in ward no 139 Mudalapalya	500000.00	90 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
14	135	Repairs to Electrical installations at Parks, gardens, Playgrounds etc Coming under	2000000.00	120 Days	50000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I

		Govindrajnagar Constituency ward no 135, 136, 137, 138, 139, 140, 141, 142, 143					
15	48	Annual Electrical maintenance of BBMP Buildings Referral Hospitals, Maternity Hospitals and Health Centres including D.G.sets, motors Pumps, Aircondisioners, UPS and connected accessories coming under Mahalakshmi Layout Constituency	500000.00	365 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
16	122	Annual Maintenance and Repairs to Generator & Motor Pumps at SKR Market, Majestic Sub Ways Coming under west Zone	500000.00	365 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
17	123	Annual Electrical maintenance of Shiva Complex at Gandhinagara in Ward No- 123	500000.00	365 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
Works Reserved for General Category (OTHERS)							
18	128	Repairs to Electrical Installations to Manverpet Maternity home at Chickpete in Ward no 128	300000.00	90 Days	7500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
19	132	Repairs to Electrical installations to Subhash chandra Bose Park at Rajajinagar In ward no 132	1000000.00	90 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
20	135	Repairs to Electrical Installations to Basavanna Park in ward No 135 Dr. Rajkumar Agrahara Dasarahalli Ward	500000.00	90 Days	12500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
21	158	Repairs to Electrical Installations to Makkalakutta Park, J.J.R Nagar Park, Kothi Park,Kudure Park And Police quatres Park at Chamarajpet Assembly	1500000.00	120 Days	37500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above

		Constituency.					
22	123	Repairs to Electrical Installations to Freedom Park, Tulasi Thota Park, Arundathi Park, KC General Hospital Park and Bashyam Park at Gandhinagar Assembly Constituency.	1500000.00	120 Days	37500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above
23	46	Repairs to Electrical installations at Parks, gardens, Playgrounds etc Coming under Mahalakshmi puram Constituency ward no 46, 47, 48, 49, 50, 51, 52, 53	3000000.00	120 Days	60000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
24	123	Shifting of Transformer and repairs to Gubbi Veeranna Ranga Mandir Transformer yard in ward no 123	3000000.00	120 Days	60000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
25	123	Repairs and Annual Electrical maintenance of J.C. West Office at Gandhinagara in Ward No-123	1300000.00	365 Days	32500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above
26	154	Annual Maintenance to Mysore Road Electrical Crematorium in Ward no 154	2000000.00	365 Days	50000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I
27	136	Annual Electrical Maintenance and Repairs with control room Staffs and security Guard for Govindarajanagar Street light Control Room to Palike Soudha at Govindaraj nagara in ward no 136	1000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
28	136	Annual Electrical maintenance of BBMP Buildings Referral Hospitals, Maternity Hospitals and Health Centres including D.G.sets,	1000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above

		motors Pumps, Air conditioners, UPS and connected accessories coming under Govindarajnagar Constituency					
29	123	Annual Electrical maintenance of BBMP Buildings Referral Hospitals, Maternity Hospitals and Health Centres including D.G.sets, motors Pumps, Air condisioners, UPS and connected accessories coming under Gandhi nagara Constituency	700000.00	365 Days	17500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
30	142	Annual Electrical Maintenance and Repairs to Palike Soudha at Chandra Layout in ward no 142	400000.00	365 Days	10000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
31	136	Annual Electrical Maintenance and Repairs to Shakthi soudha at Govindaraj nagara in ward no 136	400000.00	365 Days	10000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-IV & Above
32	135	Annual Electrical maintenance of Dr.Ambedkar Stadium AD Halli in Ward No-135	1400000.00	365 Days	35000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above
33	123	Annual Electrical maintenance of Freedom Park at Gandhinagara in Ward No-123	1000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
34	49	AMC of Air conditioners, Sound System and Stage lightings, Electrical installation and DG Sets at Dr. Rajkumar Indoor Stadium, Nagapura in Ward No- 49.	1000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
35	135	Repairs to Electrical Panel Boards and UG Cables at Dr Ambedkar Stadium AD Halli in Ward No135	1500000.00	120 Days	37500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above

36	55	Annual Electrical maintenance of Yeswanthpura shopping including motors, pumpsets, D.G sets, batteries and connected accessories in ward no 55	600000.00	365 Days	15000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-III & Above
37	132	Annual Electrical maintenance of BBMP Buildings Referral Hospitals, Maternity Hospitals and Health Centres including D.G.sets, motors Pumps, Airconditioners, UPS and connected accessories coming under Rajajinagar Constituency	1000000.00	365 Days	25000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above
38	58	Repairs to UPS and Air conditioners and UG Cables to IPP Buliding at Kodandaramapura in ward no. 58	1500000.00	120 Days	37500.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above
39	58	Annual Electrical maintenance of Generator & Motor Pumps AC at IPP Building Kodandrampura in ward no 58	1400000.00	365 Days	35000.00	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-II & Above

Calendar of events:

- Tender Forms available for downloading from 05-02-2025
- Last date for submission of Tender Document is 15-02-2025 up to 16.00 Hours.
- Date of Opening of Tenders is on 17-02-2025 at 11.30 Hours.

TERMS & CONDITIONS:

1. Any reputed Individual / Company registered with BBMP / CPWD / KPWD / Railways / MES or any State Government Organizations having VALID ELECTRICAL INSPECTORATE LICENSE of appropriate Class are eligible to apply.
2. Certified Xerox copy of the valid Registration Certificate issued by BBMP / CPWD / KPWD / Railways / MES or any State Government Organizations and should be enclosed with the tender documents with valid electrical inspectorate license.
3. The Tender Document will form the part and parcel of the Agreement.
4. Within 20 days of the receipt of the letter of acceptance, the successful tenderer shall deliver to the employer a security deposit in any of the forms given below for an amount equivalent to 5% of the contract price plus additional security for unbalanced tenders in accordance with GOK Tender Norm for all works Difference Amount and Security Deposit in the form of FDR/Banker's cheque/Demand draft,/Pay Order in favour of Executive Engineer (Ele), West Division, B.B.M.P. Security deposit for an amount equivalent to 5% of the contract price of the works reserved for SC/ST category will be Deducted from every running bill / final bills of the contractor:
5. The Bruhat Bengaluru Mahanagara Palike reserves the right to accept / reject any or all the Tenders without assigning any reasons.

6. The Tender will remain valid for 180 Days after the Deadline Date for Tender Submission.
7. The Work shall be commenced with all Men and Machinery within 7 days from the Date of Work Order, failing which it would be presumed that the Successful Tenderer is not interested in the Work and Action will be taken to get the Work executed through Alternate Agency at the risk and cost of the Former Tenderer.
8. The SD amount will be returned after successful completion of ONE year.
9. The Tender Accepting Authority shall have the power to accept to reject any tender without assigning any reason thereof.
10. The Tenderer shall give one year Guarantee for the instruments and maintain for one year and replace such parts, fused out, burnt out and defective parts thereon at free of cost.
11. The contractor belonging to the Scheduled Castes or Scheduled Tribes shall be domicile of the State of Karnataka for more than 10 years. And certified copy of the same (certificate/document) shall be uploaded at the time of Tender.
12. Certified Xerox copies of the documents shall be enclosed along with the Tender, failing which the tender will be rejected.
13. Successful Contractor who is not registered in BBMP shall Register with BBMP before entering in to Agreement for Contract failing which the tender shall be rejected.
14. Successful Bidder shall have an office within BBMP limits as the maintenance of Electrical installation in BBMP buildings/street light maintenance within the defect and liability period shall be carried out without fail in case of non burning/working of electrical fixtures and repair of Electrical Installation of the respective work. And the Successful Bidder who is residing outside Bengaluru shall submit the details of office existing in BBMP limits before entering into Agreement for Contract failing which the tender shall be rejected.
15. The Income Tax at the rate of 2.00%, SD at 5%, LWC at 1%, CBF at 0.1% and GST as per norms will be Deducted and certificate will be issued in favor of the Contractor from every running bill / final bills of the contractor:
16. Successful tenderer shall note that applicable GST shall be paid along with work bill on tender approved rates of Items whose Estimate rates are based on KPWD (Electrical) SR 2023-24. Extra GST shall not be payable on the Items whose Estimate rates are based on DATA rates or Previous KPWD SR Rates.
17. The work shall be carried out as per the directions of the BBMP Engineer in-charge of work.
18. Black Listed Electrical Contractors / in Govt. / Quasi Govt. / Boards / BBMP etc., are not eligible to quote, if found such Tenders will be rejected.
19. The successful Tenderer shall pay the Difference Cost if any and 5% Security Deposit within 20 days from the date of receipt of the intimation from this Office, failing which the Tender will get cancelled without any further notices.
20. The successful Tenderer shall execute an Agreement within 7 days from the date of receipt of the intimation from this Office, failing which the Tender will deem to be get cancelled.
21. The Successful Tenderer of Annual Maintenance work should submit the details of Employees working and submit the monthly payment Receipt.
22. The sample & make shall be got approved by the undersigned before Executing the work.
23. Further Details of the Work can be obtained from the Office of the Executive Engineer Elec (West), BBMP, #98, Ist Floor, 8th Cross, Malleshwaram, Bangalore – 560 003 on all Working Days During office hours.
24. All the participants should produce all the original documents for verification whenever necessary.
25. Conditional tenders will not be accepted.
26. The Tender Notification along with Blank Tender Form will be accessible in the e-procurement website (www.kppp.karnataka.gov.in) .

-Sd/-
Executive Engineer (Elect) (West)
Bruhat Bengaluru Mahanagara Palike

Copy to:

1. Copy Submitted to the Hon'ble Administrator for kind information.
2. Copy Submitted to the Hon'ble Chief Commissioner for kind information
3. Copy Submitted to the Hon'ble Zonal Commissioner (West) for kind information
4. Copy submitted to the Special Commissioner (Project) for kind information
5. Copy submitted to the Joint Commissioner (West Zone) for kind information
6. Copy submitted to the Engineer-In-Chief, for kind information.
7. Copy to the C E (West Zone) for kind information.
8. Copy to the Deputy Secretary to Government, Urban development Department and State Tender Bulletin Officer for kind information and to publish in State Tender Bulletin.
9. Copy to the Public Relation officer, BBMP for kind information and to publish in Leading Newspapers.
10. Copy to the DCIO (IT), BBMP for kind information and to publish in BBMP Website along with soft copy.

11. Copy to the ACF (West Zone) BBMP for kind information.
12. Notice Board. And Office copy.

Executive Engineer (Elect) (West)
Bruhat Bengaluru Mahanagara Pali

SECTION - I

Instructions to Tenderers (ITT)

1.0 Scope of Tender

1.1 Executive Engineer (Ele) West ZONE, invites Tenders in accordance with KTPP rules 2000, From eligible tenderers, for the work of **Operation and Maintenance of street Light system in West Zone** of BBMP as detailed in Appendix "B . The tenderers may submit tenders for any or all of the works detailed in Appendix "B.

2.0 Eligible Tenderers

2.1 The Bidder shall have a valid Electrical Inspectorate License and shall be a registered electrical Contractor of appropriate class with Bruhat Bangalore Mahanagara Palike / KPWD/ CPWD/ Railways/ MES/BDA/any other equivalent state/central government organisation in India. A copy of the 'valid Electrical license' shall be furnished along with the bid.

2.2 Tenderers shall not be under declaration of ineligibility for corrupt and fraudulent practices Issued by the Government of Karnataka

2.3 Tenders from Joint ventures are not acceptable.

3.0 Qualifying Criteria:

a) The Bidder shall have a valid Electrical Inspectorate License and Shall be a registered electrical contractor of appropriate class with Bruhat Bangalore Mahanagara Palike/ KPWD/CPWD/Railways/MES/BDA/any other equivalent state/central government organisation in India. A copy of the 'valid Electrical license' shall be furnished along with the bid.

b) To qualify for award of this contract, each tenderer in his name should have Turnover in the **last five years (i.e.** 2015-2016 to 2019-2020**) achieved in at least two financial years an average annual financial turnover of not less than the estimated cost under this contract**.

c) The Bidder should have satisfactorily completed single work of "**12-months period work of Operation and Maintenance of street lights" or "Single work of installation of New street lights" of value not less than 50 % (Fifty percent) of amount put to tender in any one of the previous five financial years** (2015-2020). in BBMP/KPWD/CPWD/Railways/MES/BDA/any other equivalent state/central government organizations in India. As a proof, the Bidder shall upload performance certificate issued by the officer not below the rank of Executive Engineer of the organization for which the contract has been executed, indicating the satisfactory performance of the street lighting system.

d) The Bidder should have successfully executed similar single work of " **12-months period work of Operation and Maintenance of street lights" or "Single work of installation of New street lights" in BBMP/KPWD/CPWD/Railways/MES/BDA/any other equivalent state/central government organizations in India, where** in **for street light maintenance works, the total number of luminaries in the system shall be minimum 1124 Nos or installation of minimum 193 Nos of New Street light**

fittings in any one of the year during last five years (2015-2020**) (Refer Appendix B for number of fittings in relevant category)** Certificate issued by the officer not below the rank of Executive Engineer shall be uploaded along with the technical bid of the Tender.

e) The Bidder shall have availability of jeep with ladder for day-to-day work of maintenance by owning the required one jeep with insulated alluminium ladder for each Package. The ownership shall be in the name of the individual/ firm. The bidder shall upload the relevant documents along with technical bid **OR** original documents shall be submitted at the time of agreement for each package separately. Further, the date of **manufacture of vehicle shall be on / after, 1st April 2007.**

f) The Bidder shall register with labour department, Employees provident fund (EPF), and Employees state insurance (ESI). If exempted from registering under EPF and ESI, for the same an affidavit shall be submitted. The entire relevant documents shall be produced before executing agreement, failing which the tender shall be rejected.

g) The Bidder shall upload scanned copies of PAN Card, GST registration certificate along with technical bid.

h) Bidders for the reserved category works shall upload relevent caste certificate and valid domicile certificate issued by competent authority along with the bid failing which the tender shall be rejected.

i) Relaxation in qualifying requirement and performance security etc, is admissible to tenderers of reserved category works in accordence with the provisions of KTPP (Amendment) Rules 2017.

4.0 Tender document

The Tender document consists of :

I Technical Bid:

i. Section - 1 : Tender notification (IFT)
ii. Section - 2 : Instructions to Tenderers(ITT)
iii. Section - 3 : General conditions of contract (GCC)
iv. Documents/Schedules to be furnished by the bidder
    a. Form of Tender
    b. Letter of confirmation of Pre- tender visit
    c. Qualification Information
    d. Letter of Acceptance
    e. Notice to proceed with the work.
    f. Agreement form.
    g. Reporting formats for O & M of Street light systems.
    h. Guidelines for Numbering of Street Lighting Pole.

v. Appendix- A: Data sheet on the existing street light systems of BBMP in WEST Zone proposed to be covered under this tender
vi. Appendix B : Details of Packages and EMD for each Package.
vii. Appendix C : Staff/man Power deployment and office Structure for each package.

II Financial bid – incorporating 'Schedule-B' (Schedule of rates)

5.0 Tender prices

5.1 The contract shall be for the complete works. The Bidder shall complete the Tender and the price Schedule indicated in part II '**Schedule-B'** furnished in the Tender documents. The prices shall be separately indicated for operation and maintenance of street lighting systems including supply and replacement of damaged/failed components, painting and numbering of poles, switching ON/OFF of

the street lights, preparation of data bank of street lights, removing buntings and posters, Tree Trimming around fittings, routine maintenance, furnishing maintenance reports and energy monitoring reports, etc., complete with as detailed in the tender documents for various types of street light systems as detailed below.

I. Poles with general lighting service lamps (GLS)
II. Poles with 36/40 W fluorescent tube lights complete with luminaries, lamps, control gear and all accessories
III. Poles with 250 W HPSV lamps complete with luminaries, lamps, control gear and all accessories
IV. Poles with 125 W HPMV lamps complete with luminaries, lamps, control gear and all accessories
V. Poles with 250 W HPMV/CFL lamps complete with luminaries, lamps, control gear and all accessories
VI. Poles/high mast lighting systems with 250 W MH lamps complete with luminaries, lamps, control gear and all accessories
VII. Poles/high mast lighting system with 400 W HPSV lamps complete with luminaries, lamps, control gear and all accessories
VIII. Poles/high mast lighting system with 400 W metal halide lamps complete with luminaries, lamps, control gear and all accessories
IX. Automatic controllers and associated equipment
X. Poles with LED Fitting complete with drivers, LED's, Electrical gadgets and all accessories

5.2 Items of Works for which no rate or price has been entered in will not be paid for by the BBMP and shall be deemed covered by other rates and prices in the Contract.

5.3 All duties, taxes, and other levies shall be payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Bidder.

5.4 The tenderer shall ensure his eligibility to participate in the tender as per specified tender qualification criteria , Submitting tender without possessing minimum required tender qualification as per tender document shall lead to forfeiture of EMD submitted by him for the subject work and bid shall be rejected .

6.0 Validity of tenders:

The Tenders shall be valid for a period of **180 days** from the date of opening. Tenders valid for a shorter period are liable for rejection by BBMP without any correspondence in this regard.

In exceptional circumstances, prior to expiry of the original time limit, BBMP may request the Bidders to extend the period of validity for a specified additional period. The request and the Bidder's responses shall be made in writing. However, EMD of bidders who may refuse to extend the validity period shall not be forfeited. A Bidder agreeing to the request shall not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension.

7.0. Earnest Money Deposit (EMD):

All the bids must be accompanied by an EMD amount indicated in IFT / Appendix-B for each package, which has to be paid online through E-procurement portal.

8.0 Pre-tender site visit: As these works will be taken up at different places in different wards, to acquaint with the scope of work and area etc., and also to assess the quantities of work involved (number of circuits, quantity of poles, luminaries and lamps, etc.) as part preparatory phase of tender, the bidder in

his own interest and at his cost is advised to visit these places. After the pre-tender site survey, the bidder shall provide the proof of such a visit in written format enclosing the details. BBMP considers such pre-tender site survey is important step in understanding the scope of work, assessing the quantity of work and acquaintance of the area etc. The bidder shall furnish confirmation of visit made to site prior to submitting the tenders as specified in section 3 formats (Package Area Map is appended for reference)

9.0 Tender documents may be download from the Website **https://eproc.karnataka.gov.in**

10.0 The Bidder may obtain further clarifications/information in respect of the tender document from the Office of the Executive Engineer(Ele.) West Zone, BBMP during office hours.

11.0 BBMP is not responsible for not getting internet connection while downloading/uploading the Electronic bids/ documents.

12.0 The bids shall be strictly as per the formats and terms and conditions specified in the tender Documents. Lump sum tenders will not be considered. Separate tenders shall be submitted for Each package.

13.0 BBMP reserve the right to cancel or withdraw or modify the bid without assigning any reasons. Such decision shall not incur any liability whatsoever on the part of BBMP consequently.

14.0 Deadline for submission of tender:

Tenders must be submitted online through E-Procurement portal within the due date for submission as mentioned in the E-procurement portal (viz.., https://eproc.karanataka.gov.in .) BBMP at its discretion may review the various terms and conditions of tender and extend the deadline for submission of tenders by issuing an amendment in E-procurement portal.

15.0 Tenders must be electronically submitted (on-line though internet) within the due date and time Published in e-procurement portal. Tenders shall be opened at prescribed time and date in the e- procurement portal, in the presence of the Bidders who wish to attend at the Office of the Executive Engineer(Ele.), West Zone BBMP.

16.0 The Bidders are required to upload both technical bids and financial bids through E- procurement portal only.

17.0 The bids shall be opened on the due date and time of opening as indicated in the E-procurement portal.

18.0 Rejection of tenders:-

18.1 BBMP reserves the right to accept or reject any Tenders, and to cancel the Tender process and reject all

Tenders, at any time prior to the award of Contract, without assigning any reasons, thereby without

Incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder

or Bidders of the grounds for the BBMP's action.

18.2 Bidders to note that, If the rates quoted for any item/items is/are unreasonably varying in comparission

with the estimated rates by + (High) / - (less) 25% (Twenty five percent) , then Employer reserves the right to Rationalise entire tender quoted rates in accordence with overall quoted tender premium which shall be binding on the tenderer, failing which the tender shall be rejected.

18.3 The tenderer after becoming succesfull bidder If elected to withdraw from the tender then, EMD submitted by him for the subject work shall be forfited and his bid shall be rejected .Further he shall not be eligible to participate in the future tender for the same work.

19.0 Further, BBMP reserves the right to reject any Tender if,

a) At any time, a material misrepresentation is made or discovered
b) The bidder does not respond promptly and diligently to requests for supplemental information Required for evaluation of the tender.

20.0 Tenders which are not compliant with the tendering conditions and tenders with incomplete information shall be liable for rejection.

21.0 Any tender not containing sufficient descriptive material to describe accurately the qualification information may be treated as incomplete and hence liable to be rejected.

22.0 Oral statements made by the bidder at any time regarding the quality, quantity or any other matter will not be considered.

23.0 The tenders will be opened by the 'Engineer/Authority of BBMP', in the presence of the bidders or his authorised agents (who would have taken prior permission of BBMP in writing for deputing of such authorised person).

24.0 Examination of Tenders and determination of responsiveness

24.1 Prior to the detailed evaluation of Tenders, BBMP will determine whether each Tender;

(a) has been properly submitted and
(b) is substantially responsive to the requirements of the Tender documents.

24.2 A 'substantially responsive' Tender is the one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one

(a) which affects in any substantial way the scope, quality, or performance of the operation & maintenance contract;
(b) which limits in any substantial way, inconsistent with the Tender documents, the BBMP's rights or the Tenderer's/Bidder's obligations under the Contract; or
(c) Whose rectification would affect unfairly the competitive position of other Tenderer's /Bidder's presenting 'substantially responsive' Tenders.

24.3 If a Tender is not 'substantially responsive', it will be rejected by the BBMP, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

25.0 Correction of errors

25.1. Tenders determined to be substantially responsive will be checked by BBMP for any arithmetic Errors. Errors will be corrected by BBMP as follows:

(a) Where there is a discrepancy between the 'rates' in 'figures and in words', the lower of the two will govern; and

(b) Where there is a discrepancy between the 'unit rate' and the 'item total' resulting from multiplying the 'unit rate' by the quantity, the 'unit rate' as quoted will govern.

25.2 The amount stated in the Tender will be adjusted by the BBMP in accordance with the above procedure for the correction of errors and, with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance.

25.3 Tenders not complying with these conditions are liable for rejection.

26.0 Process of Tender for technical evaluation

(a) The bidder should have met the pre-qualifying requirement (both financial & technical) as specified in **clause no. 3 of Tender ITT** of the Tender document.

(b) The Tender submitted shall be as per all the terms, conditions and technical specifications indicated in the Tender document.

Process to be confidential

(c) Information relating to the examination, clarification, evaluation and comparison Tenders and recommendations for the award of contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award of work to the successful Bidder has been announced. Any effort by a Bidder to influence BBMP's processing of Tenders or award of decisions may result in rejection of his Tender.

27.0 Evaluation and comparison of Tenders

27.1 The BBMP will evaluate and compare only the Tenders determined to be 'substantially responsive as detailed earlier.

27.2 In evaluating the Tenders, the BBMP will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

a) making any correction for errors pursuant to **Clause 25 (Correction of errors**); and
b) making appropriate adjustments to reflect discounts or other price modifications offered

27.3 The BBMP reserves the right to accept or reject any variation, deviation, or alternative offer and other factors which are in excess of the requirements of the Tender document.

27.4 The substantially responsive tender with lowest evaluated total price will be considered for award of contract as per the Terms and conditions of the Contract.

28.0 Disqualifying tenders

Bidder should upload the Tender documents as per the instructions and specification mentioned in the e-proc portal, failing which the tender shall be disqualified.

29.0 Award of Contract

The BBMP will award the Contract to the Bidder whose Tender has been determined to be substantially responsive to the terms and conditions of Tender documents and who has offered the lowest evaluated Tender Price, provided that such Bidder has been determined to be qualified in accordance with the provisions of **Clause 3 of ITT (Qualifying Criteria**) of tender Document.

30.0 Notification of LOI and signing of Agreement

30.1. The Bidder whose Tender has been accepted will be notified for the award by BBMP prior to expiration of the Tender validity period by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of intent") will state the sum that BBMP will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

30.2 The "**letter of intent**" shall constitute the intimation of acceptance of the Contract.

30.3 The Agreement shall incorporate all agreements between the BBMP and the successful Bidder. The Successful Bidder shall enter in to agreement within 20 days from the date of intimation. Failing which it is presumed that, the Bidder has no interest in the tender and the work will be awarded to other eligible bidder forfeiting the EMD submitted by the defaulted Bidder.

30.4. The successful bidder shall submit 3% of approved tender amount as **performence security deposit** through such means as prescribed by prevailing rules of government of Karnataka (**PÀ£ÁðlPÀ ¸ÀPÁðgÀzÀ DzÉÃ±À ¸ÀASÉå: DE 675 ªÉZÀÑ-12/2020, ¨ÉAUÀ¼ÀÆgÀÄ, ¢£ÁAPÀ: 22-12-2020)** in favour of "Executive Engineer (Elec) West zone**"** within 20 days from receipt of Letter of Acceptance.

31.0 Difference of cost

31.1 The following conditions are stipulated are also applicable to this tender: "The rate/amount quoted by the successful Bidder is less than the rate/amount of the amount put to tender, such bidder shall remit the Difference Amount (50% as per **PÀ£ÁðlPÀ ¸ÀPÁðgÀzÀ DzÉÃ±À ¸ÀASÉå: DE 675 ªÉZÀÑ-12/2020, ¨ÉAUÀ¼ÀÆgÀÄ, ¢£ÁAPÀ: 22-12-2020**) through such means as prescribed by prevailing rules of government of karnataka, in favour of Executive Engineer (Elec) West zone, BBMP, at the time of Agreement. This Difference Amount will be returned after Satisfactory completion of the work without Interest. The Successful bidder shall extend the validity of submitted security instruments at his own cost, if the contract period is extended. Failure to comply with this condition, the tender shall be rejected. The Difference amount shall be released **ONLY** after termination of the contract.

31.2 Failure of the successful Bidder to comply with the requirement of the tendering conditions shall Constitute sufficient grounds for the annulment of the award and forfeiture of the earnest money deposit, in which event the BBMP may make the award to the next lowest evaluated Bidder or call for new tenders.

31.3 Upon award of tender to the successful Bidder, the BBMP will promptly notify the other Bidder that their Tenders have been unsuccessful.

32.0 The Bidders with "Qualifying requirements" are only eligible to submit the tenders. All the certificates/documents as prescribed for qualifying requirements shall be part of the bid.

32.1 Even though the Bidder/Tenderers meet the above criteria, they are subject to be disqualified if they have:

a) made misleading or false representations in the forms, statements and Attachments submitted in proof of the qualification requirements; and/or

b) record of 'poor performance' such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc. and/or

c) participated in previous tenders for the same work and had quoted unreasonably high/low tender prices and could not furnish rational justification.

32.2 In the event of the information furnished by the bidders is found to be False at any stage of tendering , BBMP at its discretion may take action against such bidders and forfeit the bid security, disqualifying the offer of such bidders and Blacklist the firm. In the event of the information furnished by the bidder is found to be False during the execution stage, then BBMP at its liberty may take action to cancel the Contract, besides forfeiting the performance guarantee and blacklist the firm recovering the losses and levy liquidated damages.

33.0 If the Bidder is not a resident of Bangalore, where the present works are proposed, the Bidder should provide information on how he will be organising the requirements of the contract Including O & M during contract period.

34.0 Bidder should Open Complaint Office along with necessary men, materials, etc., as per tender condition Package wise office within respective package limits.

35.0 An Amount equivalent to 2% of contract amount payable as per bill will be Recovered in the Monthly maintenance bill towards Released Street light scrap Materials in the Respective Packages.

36.0 Successful Contractor who is not registered in BBMP shall register with BBMP before entering in to Agreement for this particular Contract failing witch the tender shall be rejected.

SECTION - 2

General Conditions of Contract

A - .GENERAL

1.0 Definitions

Terms which are defined in the tender and also defined in the Conditions of tender keep their defined meanings. Bold letters are used to identify defined terms.

"**Agreement"** shall mean the contract agreement which shall be executed within 20 (Twenty) days from the date of Letter of Intent (LOI).

"**Operation & Maintenance Contract – AMC**" shall mean all the works relating to operation and maintenance of street lighting system as specified in the tender.

"Applicable law" shall mean all the laws in force and effect as on the date of Tendering process and period of contract and which may be promulgated or brought into force and effect hereinafter in India including judgement, decrees, injunctions, writs or orders any court record, a may be in force and effect during the subsistence of the Agreement and applicable to the Contractor under the scope of the works of the Contract.

"**Approved"** shall mean the written approval of the "Authority".

"Authority" shall mean the officer in charge of the operation and maintenance of street lights in BBMP.

"Bill of Quantities" means the priced and completed Bill of Quantities forming part of the Tender based on the quantities of various types of street light components described in Appendix A.

"Commissioning" shall mean the first regular operation for commercial use.

The **"Contract"** is the contract to be made between BBMP and the Contractor for the AMC of street lighting system.

i) Bidders tender including all the communications like, the letter of clarifications, minutes of meetings, etc.,

ii) All literature, materials, data and information given by the bidder along with his tender subject to approval of the BBMP (authorised officer of BBMP).
iii) Any other terms and conditions of the documents/specifications and special terms, etc.

The **"Contractor"** is a person or corporate body whose Tender to carry out the Works has been accepted by the BBMP.

The **"Contract Data"** defines the documents, drawings, and other information which comprise the Contract.

The **"Contract Period"** the contract is valid for a period of one year from the date of award of contract (work order) for operation and maintenance work of street light system. However it is extendable with same terms and conditions at the discretion of BBMP subject to satisfactory performance of the contract in accordance with Clause no. 25of GCC.

The **"Contract Extension"** Extendable period of contract is of 6/12 months duration from the closure of the first "contract period" at the discretion of BBMP subject to satisfactory performance of the contract in accordance with Clause no. 25of GCC.

The **"Contract price"** is the lump-sum price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Day means calendar day; **Month** means calendar month.

"Drawing" means the drawing referred to in the Tender documents and Contract and any modification of such drawings approved in writing by the Engineer/Authority or such other drawings as from time to time be furnished and/or approved by the Engineer/Authority.

The **"Engineer/Authority"** is the designated officer by BBMP.

"Equipment" is the Contractor's machinery and vehicles brought temporarily to the Site to carry out the Works.

"Materials" are all supplies, including consumables, used by the contractor for incorporation in the Works.

The **"Site"** is the area defined as such in the Contract Data.

"Specification" means the Specification of the Works included in the Contract and any modifications or additions made or approved by the Engineer/Authority.

The **"Start Date"** is the date of award of work (Work Order)

"Tenderer/Bidder" means the person or persons, firm or company submitting the Tender for the works.

A **"Variation"** is an instruction given by the 'Engineer/Authority' which varies the Works.

"Ward/Area" means the lands, road and other places on, roads, in or through which the Works are to be executed or any other lands roads or place provided by the 'Authority' for the purpose of this Contract. These terms shall also include material stocking place and the area which the temporary structures are put up by the Contractor for the Works.
"Works" means all works related to operation and maintenance of street lighting system under this contract.

2.0 Construction of contract

The TENDER shall in all respects be construed and operate as a contract as defined in the Indian Contract Act 1872 and all payments there-under shall be made in Rupee unless otherwise specified.

3.0. Governing Law and Jurisdiction

The contract agreement shall be governed by laws of India and courts of the Bangalore District Head Quarters will have jurisdiction relating to all matters arising from this contract agreement.

4.0 "Engineer's/Authority's" decision

In respect of all matter, including the granting or withholding of certificates, the BBMP shall if required shall, give the decisions in writing. In all matters of difference of opinion in respect of the contract, the decision of the concerned Engineer of the BBMP shall be final and acceptable to the tenderer. The BBMP officer in charge who will be in-charge for this work will be the "Engineer" or "Authority" for the purposes of decisions/execution of this contract.

5.0 Notices: Notices for the BBMP Authority, or the Contractor may be served personally or sent by registered post addressed to the registered office of the BBMP or the last known place of business of the BBMP Authority and the Contractors. In the case of the Contractor, the same can also be served at the site office. Any notice sent by registered post shall be deemed to be served at that date and time.

6.0 **Start of Operations**

The Contractor shall commence the operation and maintenance of Street Lights immediately after signing the Contract and issue of work order or as finalised and agreed in writing with the **'Authority'**. The date from which payment is claimed by the Contractor in accordance with the provision of conditions of Contract for operation & maintenance of streetlights.

7.0 Regulations of local authorities

7.1 The BBMP shall, throughout the continuance of the contract and in respect of all matters arising in the performance thereof, serve all notices and obtain consents, way-leaves, approvals and the permissions required in connection with the regulations and bye-laws of the local or other BBMP offices which shall be applicable to the works.

7.2 All works shall be executed in accordance with the Indian Electricity Rules as in force from time to time, wherever they are applicable unless otherwise agreed to in writing by the BBMP

8.0 Certificates not to affect rights of the BBMP or contractor

No certificates of the BBMP on account, nor any sum paid on account, nor any extension of time for the execution of the works by the Contractor under the contract shall affect or prejudice the BBMP against the Contractor relieve the Contractor of his obligations for the due performance of the contract or be interpreted as approval of the work done or the materials supplied and no certificate shall create liability on the BBMP to pay for alterations, amendments, variations, or additional work not ordered in writing by the BBMP, or payment of damages whether due ascertained or certified or not or of any claim against the payment of which he is bound to indemnify the acceptance by him of any sum paid on account or otherwise affect or prejudice the rights of the Contractor against the BBMP.

9.0 Tools for O&M works:

Van/Jeep with insulated aluminium ladder For each package: The Bidder shall have availability of jeep with insulated alluminium ladder for day-to-day work of maintenance by owning the required one jeep with ladder for each Package. The ownership should be in the name of the individual/ firm. The bidder shall upload the relevant documents along with bid or original documents shall be submitted at the time of agreement for each package separately. Further, the date of manufacture of vehicle shall be on / after**, 1st April 2007.**

- **Physical inspection** along with Original documents of Ladder jeep registered in bidders name shall be submitted to concerned division office before signing of contract agreement.

- Adequate number of waist ropes and rain coats for the staff during execution of work shall be made available.
- Tool kit with common tools such as tester, crimping tool, screw driver, knife, spanner set, etc., shall be provided for each Electrician
- Two wheelers for the maintenance staff (for inspection /emergency services).
-

10.0 Expected man-power structure as part of AMC

10.1 Infrastructure: The Successful Bidder shall open the complaint centre. One office for each package shall

be maintained with necessery infrastructure at a suitable location within ward area. The tenderer shall give wide publicity by installing Advertisement board of appropriate size decided by Engineer in-charge of work containing Name of the work, Ward details, Contact person & number at least at 10 Public places per each ward. Such as BESCOM office, BWSSB office, Health Centre, Bangalore ONE centre, near BDA office/any other Govt offices, where public have access to it.

10.2 The man-power shall be adequate for day-to-day operation and maintenance of various street lighting systems including preparation of data bank of the street light circuits and numbering of poles. The number of persons who would be involved in the above work shall have adequate experience and qualifications to handle the systems/equipment so that safety and upkeep of the systems/equipments is of very high standard avoiding any inconvenience to the public and Furnishing management information reports as specified in the tender documents.

10.3 Labour

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport. the Contractor shall, if required by the BBMP, deliver to the BBMP a return in detail, in such form and at such intervals as the BBMP may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as may be required by BBMP.

11. Compliance with labour regulations

i) During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority.

ii) The Contractor shall keep the BBMP indemnified in case any action is taken against the BBMP by the competent authority on account of contravention of any of the provisions of any Act or rules made there-under, regulations or notifications including amendments. If the BBMP is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/ regulations including amendments, if any, on the part of the Contractor, BBMP shall have the right to deduct any money due to the Contractor including his amount of Difference of cost deposit and Security Deposit. The BBMP shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the BBMP.

iii) It will be the responsibility of the contractor to obtain separate code for deposit of PF dues, if applicable, with the concerned PF authority directly.

iv) The employees of the Contractor in no case shall be treated as the employees of the BBMP
at any point of time.

12.0 Scope of operation and maintenance work

The scope of work for the proposed Contracting Agency for Operation & Maintenance of Street lighting system includes the following:

12.1 The existing street lighting systems have multiple characteristics which are described in brief for Easy understanding.

i) Depending upon the road & traffic, etc., the existing street lighting circuits are with
- Tubular poles (owned by BBMP)
- RCC poles (mostly owned by BESCOM) which also uses the network of BESCOM for their other consumers
- High mast lighting systems at identified junctions
- Park lights with LTUG Cable & Other accessories.

ii) The type of luminaries in a circuit could be
- 4' x 36 W/40 W fluorescent tube light (FTL) luminaries with fluorescent lamps, aluminium/copper/electric/open type H class chokes, starters, etc. High pressure Sodium Vapour (HPSV)/High Pressure mercury vapour (HPMV)/Metal halide (MH) luminaries, control gear and lamps (125 W/250 W/400 W), LED Fitting complete with drivers, LED's, Electrical gadgets and all accessories. or combination of the above in the circuit

iii) Cable from pole to pole or open conductor street light circuit on BESCOM network with RCC poles

iv) Control circuits for ON/OFF (automatic through timers, manual ON/OFF)

- All associated electrical accessories for the above street light components
- Any other not specifically covered by above category but notified later
- Any other not specifically covered by above category such as existing lighting system in parks, play grounds and burial grounds and also up gradation / modifications including All new fittings which will be added during the contract period. ..
- The scope of work for the proposed Contracting Agency for Operation & Maintenance of Street lighting system within respective package is not limited to above said category and as the work is awarded in total to operate & maintain the entire street lighting system, contractor shall carry out all possible work by replacement / installation of such components using labour ,equipment ,tools, Ladder Vehicle, etc as required, to ensure efficient operation of street lighting system observing energy conservation methods.
- The general scope of Operation and Maintenance consist of two components namely
    - services (operation and routine maintenance)
    - supply and replacement of failed/damaged components and retrofit/ New fitting of Street lights control line, control switches & other components of street lighting system.

The list of street light systems covered under the present tender for each Ward is furnished in **Appendix A**. The number of lamps indicated is inclusive of lamps of high mast lighting systems.

12.2 The 'Services' of street lighting system of proposed Operation & maintenance contract (AMC) is further divided into the following groups for easy understanding:

(i) Development of 'Data bank' for each street lighting circuit as per BBMP approved GPS road map consisting of:

- Road identification given by BBMP,
- Pole details (type, height,)
- Details of luminaries (, type, , wattage)
- Timer (Type, working condition)
- Energy meter (, type and rating)
- Details of all housing cubicles for timer/meter/switch/ fuse/capacitor/etc.

(ii) Arranging daily switching ON/OFF of street light circuits irrespective of manual or automatic switching systems. In case of auto ON/OFF switch, the circuits have to be monitored for its intended function on daily basis. On and Off time specified by BBMP from time to time, failure to adhere these instructions and the action will be taken to impose penalty as per the terms and conditions specified in the tender .

(iii) Development of daily/weekly/monthly/quarterly maintenance schedules of the street lighting system to include the following:

Condition monitoring and replacement/repair of various fittings/lamps/chokes/drivers and surge protector for LED fittings/wires/switches/meters to ensure healthy working.
Reporting system for replacement of non-working/burnt out/fused out lamps/chokes and other accessories for various items of the street lighting system.
Complaint management/reporting system in consultation with BBMP
Circuit-wise energy performance, benchmarking/reporting system in consultation with BBMP.

- Emergency 'night service' for each of the package with vehicle stationed along with staff on need basis as ordered by engineer in charge.

12.3 Items for maintenance/replacement programme when they fail/get damaged and/or malfunction during the course of contract period may include:

i) Parts of luminaries

- Lamps of various types
- Chokes
- Igniters
- Lamp circuit wiring
- Jumpers
- Lamp holders
- Starters
- Lamp covers
- Capacitors
- LED Drivers
- Surge Protector
- Side holders
- Components of timer, metering/control circuits
- Any other part but essentially required though specifically not named above

ii) Parts of control/switching/metering/monitoring system

- Manually operated switches

OR

- Timer based ON/OFF switches

OR

- Automatic ON/OFF switches
- Switch fuse unit
- MCB/Contactors/MCCB/ELCB
- Control box, key
- Cables
- Capacitor banks
- Energy metering system
- Installation of new switching, monitoring and control cubicles for street light circuits which may be procured by BBMP by a separate tender. Installation of these new systems shall be included in this tender as and when decided by BBMP
- Fixing of any component of street light systems as required by BBMP which may not be necessarily procured under this contract
- Any other part which is not specifically listed but is part of the system
- All new street light systems which will be installed during the contract period

iii) Cables – power/control/ cables and jumpers of adequate size

12.4 Materials for replacement of failed/damaged/Retrofit components

- Supply and replacement of lamps, and various components of control gear such as open type copper ballasts (chokes), igniters, etc.
- Supply and replacement of damaged brackets, lamp holders, housing, etc.
- Supply and replacement of minor spare parts (due to normal wear and tear) and consumables such as fuses, cabling, insulation tapes
- All these materials shall be of specified in latest KPWD(Electrical) Schedule of Rates (SR)
- Supply and replacement of components of switching units like MCB, contactors, switches, cables etc., complete including timers, if any
- Supply and replacement of components of timer based controllers for automatic switching of street light circuits

- Painting of poles (as per the direction of Engineer in charge of work and paint decided by the Engineers) including cost of paints and labour and providing pole numbers
- Installation of timer based switching, monitoring and control cubicle for street light circuits as decided by BBMP.
- Supply and installation of energy saving equipment as decided by BBMP.

12.5 Numbering of poles:

- Numbering of poles shall be made as specified in schedule 7.3. Numbering methodology has to be got approved by BBMP Authority.
- The painting of poles shall be carried out before on set of monsoon every Year.

12.6 Restoration of civil works

In case of digging of trench if any for any maintenance work, the refilling the trench to the original ground level and consolidation shall be included in the scope of works of the contractor.

In case of road cutting, digging of pavements, roads, etc., the same shall be restored by filling up with plain cement concrete mix of 1:2:4 using 20 mm and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cm thick, compacted in foundation and plinth.

13.0 Detailed services

13.1 Services of operation and Maintenance for a period of 12 months

a) Preparation of database: The Contractor should prepare Road/circuit/ward-wise database and master registers comprising of pole number, no of empty RCC/M.S Tubular poles, type of luminaries, Area and crosses along with automatic control timers/Non automatic timers with Energy meter/without Energy meters indicated therein in accordance with BBMP approver GPS base street road map (Road ID) etc.,as per the directions of Engineer in charge of work within a period of 6 months from the date of award of work. A Copy of the Master Register should be submitted to the concerned BBMP office.

b). Switching ON/OFF of the street light circuits: Bidder shall be responsible for switching ON/OFF of all the street lighting system depending upon the availability of controller in the circuit as per the prescribed timings by the BBMP/ seasonal sunrise and sunset. As specified in Appendix C one electrician shall be deployed for switching ON/OFF every 25 (twenty five) switches irrespective of manual/auto switching systems. The electrician shall visit all the switching points for daily switching ON/OFF of street light circuits.

c) Bidder should maintain complaint register and also computer based entries kept in the office in the prescribed pro-forma (given below) furnished by the "Engineer" for the purpose of recording and attending complaints received from the public either in writing or through telephone.

d) . The Contractor submit the replacement reports on daily basis. Both the consolidated reports of replacement and other actions completed during the half-monthly period (as per approved formats proposed to be issued) should be submitted to BBMP on two half-monthly basis along with the submission of monthly bill.

e) Bidder should maintain service/repair history in consultation with engineer in charge to comply with complaints received in application like BBMP SAHAYA, FIX MY STREET etc, by employing suitable man and machinery, equipment.

f) The Contractor shall remove accidental / damaged deteriorated poles without extra cost and the same shall be handed over to the concerned BBMP Authorities.

g) Bidder shall number the Street Light poles in consultation with BBMP and shall be painted at the time of numbering of the poles as per specified format indicated in schedule 4.4 attached to this Tender document. Before on set of monsoon every Year

h) . Special attention during windy season/rainy season should be given to rectify defective lights or loose contacts in wiring, luminaries, etc.

i) The Contractor should be able to make a survey of areas at least three hours during burning hours of the lighting system and take corrective measures immediately, if repair work could not be carried out due to any reason, record the list of non-burning lights for attending the same in the next day morning and also report it to the concerned authority. The contractor shall observe energy saving measures and take all suitable measure to avoid switching on street light circuit during day light.

j) The contractor shall ensure that, street light control points are operated in accordance with relevant standards & regulations. Conductors formed in to shape of hooks, shall not be used as switches. The contractor alone is responsible for any electrical accidents / incidents attributed to usage of hooks instead of switches as street light control points and shall be subjected to any legal action with respect to it.

k) The contractor shall ensure that, wiring of street light control point, lamps, cables, junction box etc., shall be properly insulated, covered and secured. The contractor shall follow stringent electrical safe practices as per relevant standards. Bare conductors endangering public safety shall be avoided and rectified at shortest notice. The contractor is held responsible for any accident/ incident attributed to existence of bare conductors in street lighting system of that respective package area.

l) The contractor shall ensure that no street light installation shall be operated un metered. Instances of burning/ damage of BESCOM energy meter and CT's shall be brought to the notice of BESCOM and BBMP authorities immediately and new energy meter/ CT's requisitioned from the authorities shall be refixed without causing public inconvenience. The contractor shall not bifurcate existing control system without obtaining proper permission BESCOM and BBMP authorities, failing which contractor shall be solely held responsible for any back billing and criminal proceeding initiated by BESCOM authorities.

m) The Contractor through his package office shall be in continuous contact with control centre of BBMP through telephone and **send daily report**..Street light complaint received from different sources shall be immediately intimated to control centre and complaint number issued by BBMP shall be recorded at site office with intimation to Engineer in charge. Subsequently compliance on having attended the complaint shall be submitted to control centre with in stipulated period with intimation to Engineer in charge.

n) The streetlights which are out of order shall have to be repaired within 24 hrs by repairing/ replacing of parts/sets which have gone out of order. In case of any electric shock/emergency/theft of power/theft of any materials etc the contractor should attend immediately and inform the concern officer. The contractor should lodge police complaint for the same as directed by engineer in charge.

o) The tenderer should inspect the area and inform the BESCOM authority to fix the Energy Meters where ever necessary and same matter should be brought to the notice of BBMP office in writing**.**

p) The Contractor should remove the accident/damaged Repairs Electrical Accesories poles and hand over it to BBMP office.

13.2 Energy saving system: The contractor shall erect / install and operate energy saving equipments supplied by BBMP/Authorised Agency departmentally/ at no extra cost with in respective package area. The Contractor shall also responsible for maintenance of energy saving equipment supplied/

installed by BBMP/ Authorised Agency after completion of Guarantee Period of one Year of that particular equipment and shall ensure proper maintenance of the same till the completion of contract.

13.3 Analysis Reporting and management information systems (MIS)

Typical formats for the schedules to be maintained/furnished to BBMP by the successful contractor during O&M period as per described in the tender document are attached to this Tender documents as per Section 3- 7.1 to 7.3.

7.1: Database of Street Light System
7.2: Public Complaint Form
7.3: Guidelines for numbering street Lighting Poles

13.4 During operation and maintenance period Bidder shall be responsible for missing of existing street light luminaries, control and metering boxes and automatic switches, and other components etc., in his area of operation and will replace such items at no extra cost. If required, Bidder can have an insurance policy for such thefts at his cost.

13.5 No extra cost will be paid in case of short circuit due to external conditions like over voltage resulting in mass fusing out of lamps, tube, LED drivers, surge protectors and connected accessories. If required, Bidder can have an insurance policy for such situations at his cost,

13.6 The Contractor shall accompany BBMP authority at appropriate time as specified by Engineer in charge to ascertain the condition of street lighting system of respective package. The observation of Engineer in charge or BBMP authority shall be final and binding on the contractor for any further course of action.

13.7 Bidder should carry out the Maintenance work in close coordination with electricity board authorities and concerned Engineer of BBMP.

13.8 Bidder is not permitted to display any board advertising his agency/product or any other advertisement boards on the street light poles.

13.9 Bidder should strictly follow the rules laid down by Electrical Inspectorate, Labour Commissioner. BBMP will not be responsible for any dispute arising thereon.

14.0 In case of emergencies of fire/electric shocks, accidents etc., the following action has to be taken immediately

- Arrange for immediate disconnection/isolation of power supply either through instructions over phone to the location or through BESCOM/or visiting the spot depending on situation.
- Report to concerned BBMP Engineer at the earliest
- Spot inspection immediately and not later than 2 hours
- Rectification of the fault immediately and not later than 24 hours

15.0 Mishaps and accidents during contract period

15.1 The contractor alone shall be responsible for any unforeseen incidents, mishaps, accident to the employee's appointed/engaged and general public during the period of contract and they shall be covered by adequate compensation through insurance cover. BBMP is not responsible for any Electrical accident/mishap. A copy of the 'insurance cover note' covering risk of accident, etc., for the proposed employees shall be given by the contractor as part of his first payment claim. The bidder shall arrange/secure and maintain insurance of personnel employed as may be necessary and for all such amounts to protect his interest and the interests of the BBMP against all risks as detailed herein. The form and limit of such insurance, as defined herein together with the under writer thereof in each case shall be such that these are acceptable to the BBMP. However in respect of such acceptance, responsibility to maintain insurance at all times till the completion of the contract shall be that of the bidder alone. The bidder's failure in this regard shall not relieve him of any of his contractual responsibility and obligations.

15.2 The complete street lighting system within respective package area is handed over to contractor to carry out operation and maintenance of the same observing stringent safety practice in accordance with Indian electricity act and other applicable rules and standards, as such, contractor is solely responsible for any electrical accident occurs in connection with the operation & maintenance of street lighting systems and the accident results in or is likely to have resulted in loss of human or animal life or in any injury to a human being or an animal and loss of property. BBMP or its officials shall not be held responsible for electrical accident attributed to street lighting system in that respective package area. The bidder shall arrange/secure and maintain insurance as may be necessary and for all such amounts to protect his interest and the interests of the BBMP against all risks as detailed herein. The form and limit of such insurance, as defined herein together with the under writer thereof in each case shall be such that these are acceptable to the BBMP. However in respect of such acceptance, responsibility to maintain insurance at all times till the completion of the contract shall be that of the bidder alone. The bidder's failure in this regard shall not relieve him of any of his contractual responsibility and obligations.

15.3 Information of any electrical accident occurred in connection with the operation & maintenance of street lighting systems shall be sent to the authorised official, not below the rank of a Junior Engineer or equivalent of BBMP by a telephone message immediately followed by a written report within 24 hours of the knowledge of the occurrence of fatal/nonfatal and all other accident/incident.

16.0 Practising of Safety Aspects & Rules and cleaning of place of work

i) Bidder should adhere to all safety aspects and rules and also Electricity board/inspectorate regulations while carrying operation and maintenance work of streetlights.

ii) The standard uniform prescribed by BBMP along with ID card, rubber shoes, hand gloves, safety belts and helmets as applicable shall be worn by employees of the Contractor during the O&M work. Safety permits shall be obtained for excavation, trenching, each removal, cutting and welding, confined space work etc, wherever applicable.

iii) Safety precautions and personal protective equipments for painting works shall be used with respect to respiratory protection and fire Protection.

iv) Valid certificate of testing and inspection by competent person for the lifting machines and tackles in use shall be available with the Contractor on the work.

v) Adequate fire safety precautions and electrical safety precautions shall be ensured throughout the contract period.

vi) The Contractor shall at all times keep the site free from the accumulation of waste material and debris and upon completion of work shall clear away and dispose off all the surplus materials rubbish and temporary works of whatsoever nature and kind as directed by the Engineer and shall leave the works and the site clean and tidy. The contractor shall be responsible for taking all the safety precautions during construction and for keeping the site safe at all times. At the end of each working day and at all times, when the work is temporarily suspended he shall protect all material, equipment and facilities from damage.

vii) All types of liabilities and responsibilities towards any damage, accident or death of the contractor's employee or any outsider the whole responsibility rest on Contractor and BBMP has no role to play.

viii) The contractor has to check earthing value at all the poles, Panel board and high masts etc., at every six months time interval and the value should be less than 2 ohm. If the earthing value does not meet the requirement the contractor has to take necessary action regarding the same and maintain the earthing value.

ix) Due to negligence of contractor if any serious complain arise and any supervisor has to stay on the site to resolve this complain than penalty will be levied as decided by BBMP.

17.0 Termination of Contract on death of contractor

Without prejudice to any of the rights or remedies under this contract, if the contractor dies during contract period BBMP shall have the option of terminating the contract without compensation to the contractor. However, in the case of the death of a contractor after executing the agreement/commencement of the work, his legal heir, if an eligible registered

contractor and willing, can execute and complete the work at the accepted tender rate irrespective of the cost of the work.

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18.0 Disputes during contract period

18.1 Tender with a stipulation for a settlement of dispute by reference to arbitration will not be entertained and will be summarily rejected.

18.2 Any dispute, difference or controversy of whatever nature between BBMP and Contractor, howsoever arising under out of or in relation to the contract agreement shall in first instance be attempted to be resolved amicably between the parties.

18.3 Any dispute between the staff employed by the contractor and the contractor shall be amicably settled-as per the prevailing labour law. The BBMP is not responsible to intervene /solve the dispute. However, if for the reason of the said dispute results in stand-off/slow down of work etc, the BBMP reserves the right to terminate the contract and forfeit the security deposit.

18.4 Any dispute, difference or controversy of whatever nature between BBMP and Contractor, howsoever arising under out of or in relation to the contract agreement shall subjected to jurisdiction of courts with in bangalore city.

19. Breach of contract

Any breach of contract during the period of contract will result in termination of the contract and forfeiture of the security deposit. In case if it is found that the facilities/works are used for unlawful purposes and for the purpose other than the one mentioned else in the tender document, the contract would be terminated, the security deposit will be forfeited and the "Contractor" will be blacklisted from the participation in any Govt. / Quasi-Govt / municipality's all types of works.

20. Termination

20.1 BBMP may terminate the Contract if the Contractor causes a fundamental breach of the Contract. along with block listing the firm.

20.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor has not started the work of Operation and Maintenance of street lighting system or any part thereof within 7 days from the date specified in the letter of award (Work Order).

(b) The Contractor has failed to adhere to the Operation and Maintenance requirements as per the terms and conditions of the Agreement, like repaires to electrical accessories , etc., with in specified time.

(c) The Contractor stops work for 15 days when no stoppage of work is shown on the current Program and the stoppage has not been authorised by BBMP;

(d) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(e) The BBMP gives Notice that failure to correct a particular Defect is a Fundamental breach of Contract and the Contractor fails to correct it Within a reasonable period of time as determined/decided by the BBMP;

(f) The contractor fails to maintain public complaint readdressel system as Defined in tender document their by causing inconvenience to public.

20.3 If BBMP desires to implement technology up gradation for providing Energy Saving system, Energy efficient street light system in any ward/ package in full or part nullifying the existence of this contract, then this contract may be short closed in part or full with intimation to the contractor. The Contractor will not be eligible for any type of compensations or monetary benefits arising due to termination in full or in Part of the Contract under this clause. The contract amount will be deducted on prorate Basis.

20.4 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and

Secure and leave the Site as soon as reasonably possible but not later than 5 days.

20.5 Reduction of Existing fittings shown in Tender documents of maintenance work due to proposed implementation of Energy saving proposal by BBMP, corresponding amount equivalent to reduced quantity of fittings as per the approved rates will be reduced on prorate basis from the contract.

21.0. Payment upon Termination

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the BBMP shall prepare bill for the value of the work done less advance payments, if any, received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the BBMP exceeds any payment due to the Contractor the difference shall be a debt payable to the BBMP.

22. Force majeure

Any of the following events which will cause material adverse effect on the Operation & maintenance contract of the street light system shall constitute Force majeure event.

a) Earthquake, flood, inundation, landslide

b) Fire caused by reasons not attributable to the Contractor or any of his employees

c) Acts of terrorism, riots, military action

Except as explicitly provided in the Agreement, neither party hereto shall be liable in any manner whatsoever to the other party in respect of any loss/damage arising out of Force majeure event. However, the Contractor shall be entitled to receive appropriate proceeds of any insurance obtained by the Contractor.

23. Corrupt or Fraudulent practices

The BBMP requires that the Bidders/contractors observe the highest standard of ethics during the procurement and execution of contracts. In pursuance of this policy of GOK, the BBMP.

a) Shall reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

b) Shall declare a firm ineligible , either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a BBMP contract.

24. Protection of Environment

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation including safe disposal of released material. During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

B - TIME CONTROL

25.0 Contract period The Contractor shall commence the operation and maintenance of street light systems after signing the Contract and issue of work order. The duration of the contract is 12 months from date of award of contract (Work Order) which shall be termed as the contract period. The prices shall be quoted for a period of 12 months period and the same shall be extended only after ascertaining satisfactory performance of the contract. If the performance of the contract is satisfactory, BBMP may extend the contract period by 6 months/12 months if required on the same terms and conditions and approved rates of original Tender.

However, under any circumstances, the total duration of contract **shall** not be more than 3 years continuously from the initial contract date. BBMP is the sole authority at its discretion for the extension or otherwise, on completion of each contract period after assessing existing performance of the O&M contract.

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C - QUALITY CONTROL

26.0 Quality of materials and services

The Bidder should use the light luminaries and accessories conforming to ISI standards and as per technical specifications of this tender document and the make/brand shall be of 'Class A' category specified in KPWD SR and shall conform to relevant IS. The services shall be of the best and most substantial so as to ensure satisfactory operation of the system.

D - COST CONTROL

27.0 Quantities of works: The present quantities indicated as 'Schedule-B' of bid are based on the number / type of lamps and other accessories estimated on initial assessment done for each Zone. The bidder has to submit the tender as per quantities indicated in 'Schedule-B' only. However, the bidder has to make his pre-bid survey for complete re-verification of number and various types of lamps and other accessories in the street light systems before submitting the tender. Further, after award of contract, the contractor is required to prepare ward wise database (Master register) of the type and number of luminaries/lamps/control switches and other accessories as per approved format in accordence with street identification map of BBMP. The Master register shall be prepared and signed by both concerned JE/AE and the contractor .The same shall be countersigned by concerned AEE of the sub division and approved by Executive Engineer (Ele.) of the concerned division, which would become basis for release of monthly payment. This process has to be completed within a period of 6 months from the date of award of contract.

28.0 Price variation: The item rates quoted by the Bidder shall be 'firm' for the duration of the Contract and shall not be subject to adjustment on any account. There may be additions / substraction to the street lights due to variations in quantity as per clause 27 of GCC (Quantities of work) or new systems added during up-gradation/replacement of luminaries, etc. It is proposed to include / Exclude variation in quantity in the present operation & maintenance contract as and when variation of quantity brought out in master register or Defect liability period of new system is completed and the variations in quantities is approved by competent authority of BBMP. Necessery substraction / addition from existing quantity shall be effected as per agreed terms & conditions without escalation in quoted rate if the contract period is extended as per clause 25 of GCC.

29.0 Terms of payment

The terms of payment are as follows:

i) 1% of the monthly bill of maintenance contract shall be deducted in the Monthly maintenance bill towards non submission and verification of street light data bank which shall be completed within a period of 6 months from the date of Start of work.

ii) 2% Amount will be deducted in the Monthly maintenance bill towards Released Street light scrap Materials in the Respective Packages.

iii) GST as Applicable shall be paid along with work bill on tender approved rates of Items whose Estimate rates are based on KPWD (Electrical) SR 2023-24. Extra GST shall not be payable on the Items whose Estimate rates are based on DATA rates or Previous KPWD SR Rates.

30.0 Total 5 % of Performence security and Difference Amount shall be repaid without any interest after successful completion / termination and due verification of the contract.

31.0 Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract

and taxes, at source, as applicable under the law.

32.0. Taxes and duties: The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The taxes and duties as per applicable law will be deducted at source by BBMP.

33.0 Penalty during maintenance period

33.1 Penalty for delay in attending to faults:

a) Contractor Shall repair/replace the fused out lights within 48 hours from the time of complaint is recorded. In case of failure penalty shall be imposed as below:

- Rs.300/- per lighting point per day if it is not attended within 24 hours.
- Beyond 48 hours Rs. 400/-per lighting point per day till actual replacement date.
- These amounts shall be deducted from monthly bills or as directed by BBMP.

b) If lights are found 'ON' during any part of day time as per circular issued by BBMP from time to time (6 AM morning to 6.30 PM evening / seasonal sunrise and sunset) for any notified circuit, a penalty of Rs 1,000/- per switch would be levied irrespective of the type of switching systems either manual or automatic for the 1st time, Rs. 2,000/- for 2nd time and Rs.5,000/- for 3rd time. If in case these circuits are 'switched ON' for maintenance it has to be informed to BBMP in advance and the same shall be avoided as for as possible.

c) The contractor shall ensure that, street light control points provided with switches are Maintained & operated in accordance with relevant standards & regulations. Conductors formed in to shape of hooks bypassing switches, shall not be used as switches. Failure to attend the fault by installing suitable spares of switch and leaving bare conductor hazardously shall be penalised with a penalty of Rs. 1000/- per switch besides attracting legal action for criminal negligence (clause 15.1 &15.2).

d) Shortfall in deployment of man-power/equipment: A penalty of Rs 2000/day for shortfall in deployment of ladder jeep shall be levied and penalties shall be deducted by BBMP from monthly bills of contractor.

e) BBMP reserves the right to inspect the streetlights and control boxes pertaining to any packages at any time and penalise the concerned contractor.

E - FINISHING OF CONTRACT

34.0 Handing over of the street lighting system

34.1 On completion of contract period of O&M work of the street lighting system after a period of one year from the date of start of work or after such extended contract period, the contractor shall handed over to BBMP or the agency designated by BBMP complete street lighting system of the Package area in a satisfactorily working condition with at least 97% of burning lamps in each circuit.

34.2 Damaged Poles/Brackets/Fittings, Etc., shall be removed at your own cost and the same shall be handed over to concerned JE/AE of that Jurisdiction.

34.3 Cost of repairs

Loss or damage to the systems covered in the AMC between the Start Date and the end of the Contract period shall be remedied by the Contractor at the Contractor's Risk and cost.

34.4 Request for issue of work done certificate in part or full by the contractors will not be entertained till satisfactory completion of contract period and the same being certified by competent authority to that effect.

SECTION 3

1.Form of Tender

Description of the Work
……..
……
…

Tender
To : _____
Address : _____
[14]
_____
GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____ [in figures]
(_____) [in letters].[15]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.
We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____

Address: ----------

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2. <u>Letter of confirmation of pre-tender visit</u>

(On letterhead of the Tendering company ,shall be scanned and uploaded)

Date:

To

Executive Engineer (Elect)
West Zone
Bruhat Bangalore Mahanagara Palike

Sub: Repairs to Electrical installations to Prashanthnagara Maternity Hospital at Govindarajnagar in Ward No 136.

.....

Ref: TN.No: EE(Ele)/W/TN/ 11 /2024-25 Dated: 31-01-2025

Sir,

I/We confirm that, we have visited the zone-wise street lighting systems for which this tender has been issued for acquaintance of type, size and variety of street light fittings which in turn has helped in assessing the work.

We confirm that the tender is on the basis of such pre-bid visit and also complete as per specific requirements of the tender document.

Yours faithfully,

3.Qualification Information

Qualification Information

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]
Place of Registration _____
(Attach Copy)
Principal place of business: _____

1.2 Total value of
works executed and payments received in the last five years
(in Rs. Lacs)

2019 – 20 _____
2020 - 21_____
2021 - 22_____
2022- 23_____
2023- 224_____

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Descrip--tion of Work	Contract Number	Value of contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of completion	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.
(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name and Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works[18] remaining to be completed (Rs. lakhs)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

4. Letter of Acceptance

(letterhead paper of the Employer)

_____[date]

To:

_____ [name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated _____ for execution of the _____

[name of the contract and identification number, as given in the Instructions to Tenderers] for the Contract Price of Rupees_____ (_____) [amount in words and figures], as corrected and modified in accordance with the Tender Clauses is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit, in the form detailed in Para 30.4 and 31.1 of ITT for an amount of Rs.————— as performance Security and Tender difference Cost (If any) of Rs…… within 20 days of the receipt of this letter of acceptance i.e. up to ..... and sign the contract, failing which action as stated in Para 31.2 of ITT will be taken.

Yours faithfully,
Authorized Signature
Name and Title of Signatory
Name of Agency

-

5. Issue of Notice to proceed with the work

_____ (letterhead of the Employer)

———— (date)

To

——————————— (name and address of the Contractor)

_____

_____

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 30.4 and 31.1 and signing of the contract agreement for the construction of ———————[19] a Tender Price of Rs.———————, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,
(Signature, name and title of signatory
authorized to sign on behalf of Employer)

6. Agreement Form

Agreement

This agreement, made the _____day of _____20_____, between_____

_____[name and address of Employer]

(hereinafter called "the Employer") of the one part and _____

_____

_____[name and address of contractor]

(hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute _____

_____

_____

[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.

3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

i) Letter of Acceptance;
ii) Notice to proceed with the works;
iii) Contractor's Tender;
iv) Contract Data;
v) Conditions of contract (including Special Conditions of Contract);
vi) Specifications;
vii) Drawings;
viii) Bill of Quantities; and
ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____

was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said _____

_____

in the presence of:

Binding Signature of Employer _____

Binding Signature of Contractor _____

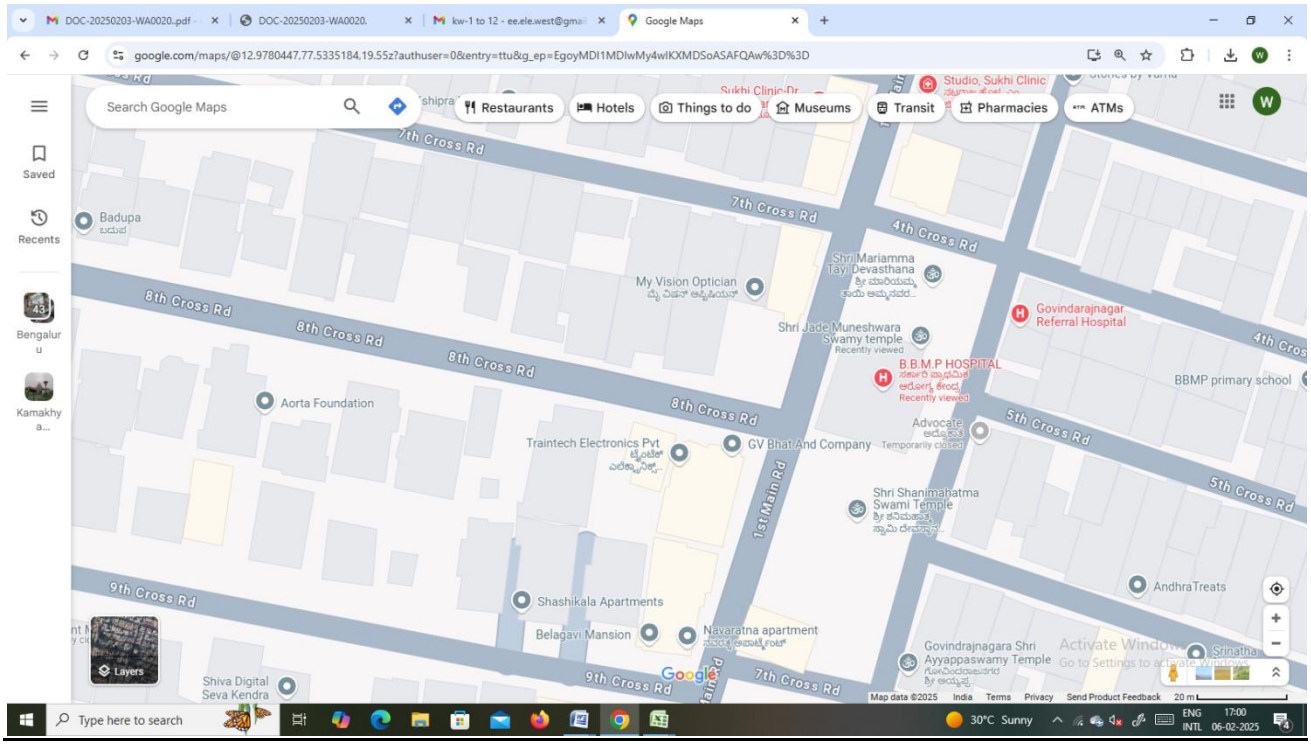
Appendix A

Sl No	Ward No	Works Details	Est Amt Lakhs)	Period for completion of Work	EMD in Rs	Tender Processing Fee	Class
5	**136**	Repairs to Electrical Installations to Prashanthnagara Maternity hospital at Govindarajnagar in Ward no 136	3000000	120days	30000	As per E-Procurement portal	VALID ELECTRICAL INSPECTORATE LICENSE Class-I

Appendix C

Staff/ Man Power deployment and office structure for each package (Details indicated below are the minimum requirement to be provided compulsorily)

Sl No	Particulars	Requirement
1.	Ladder jeep with Driver	One vehicle/jeep with insulated aluminium ladder for each Package, for day-to-day work of maintenance. RTO permit for the use of ladder jeep for maintenance of street lights shall be enclosed to the tender. and Driver with suitable Driving LIcense
2.	Electrician and Helper	Minimum 1 Electrician and 1 Helper per batch per package
3.	Switching ON/OFF staff (Electricians)	One person for every 25 (twenty five) manual switches;
4.	Office with telephone facility to be located within the package area	One office for each package at a suitable location to cover Entire package area comfortably (preferably centre place of the package area) and also a clerical assistant to manage the complaints/ office
5.	Office working Hours (Complaint Centre)	from Morning 8.00 AM to Night 9 PM.
6.	Telephone/Mobile	Company/agency/contractor should submit one permanant contact number for communication purpose.
7.	Communication system	Adequate communication system to be provided to employees for communication between the maintenance staff and BBMP officers as desired by BBMP.


Search Google Maps
Restaurants
Hotels
Things to do
Museums
Transit
Pharmacies
ATMs
Saved
Recents
Bengaluru
Kamakhya...
Badupa
My Vision Optician
Shri Mariamma Devi Devasthana
Shri Jade Muneshwara Swamy temple
Recently viewed
Govindarajnagar Referral Hospital
B.B.M.P HOSPITAL
Recently viewed
BBMP primary school
Aorta Foundation
Traintech Electronics Pvt
GV Bhat And Company
Advocate
Temporarily closed
Shri Shanimahatma Swami Temple
AndhraTreats
Shashikala Apartments
Belagavi Mansion
Navaratna apartment
Govindrajnagara Shri Ayyappaswamy Temple
Srinatha
Shiva Digital Seva Kendra
Layers
7th Cross Rd
4th Cross Rd
8th Cross Rd
5th Cross Rd
9th Cross Rd
1st Main Rd
Google
Map data ©2025
India
Terms
Privacy
Send Product Feedback
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Sunny
ENG
INTL
17:00
06-02-2025

PART II - BILL OF QUANTITY (Schedule-B).

PART – A – REPAIRE WORKS

Sl. No	Qty	Description	Unit	Rate	Rate in words
1	Point	Supplying and wiring adopting loop system in existing PVC Conduit/casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3Mtr from tapping point to out let via switch box	30	269.00	Rupees Two Hundred Sixty Nine Only
2	Point	Supplying and wiring adopting loop system in existing PVC Conduit/casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	30	379.00	Rupees Three Hundred Seventy Nine Only
3	Point	Supplying and wiring adopting loop system in existing PVC Conduit/casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the	30	555.00	Rupees Five Hundred Fifty Five Only

		other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box			
4	Each	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition.LED square or round down light 15-18W	80	1324.00	Rupees One Thousand Three Hundred Twenty Four Only
5	Each	Supplying of .....feet -PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED light fitting 1 x 4' - 20/22 W	80	690.00	Rupees Six Hundred Ninety Only

6	Each	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.48" Sweep (1200 mm) Regular model	15	2984.00	Rupees Two Thousand Nine Hundred Eighty Four Only
7	Each	Supplying wall mounting fan suitable to operate at single- phase 230v AC. supply400 mm Sweep	15	3212.00	Rupees Three Thousand Two Hundred Twelve Only
8	Each	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 12" Sweep (300 mm)	5	2969.00	Rupees Two Thousand Nine Hundred Sixty Nine Only
9	m	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 mm2	3000	26.00	Rupees Twenty Six Only
10	m	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5 mm2	3000	42.00	Rupees Forty Two Only

11	m	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 4 mm2	2000	63.00	Rupees Sixty Three Only
12	m	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 6 mm2	1500	92.00	Rupees Ninety Two Only
13	Each	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6A One Way Switch	80	102.00	Rupees One Hundred Two Only
14	Each	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Three Way socket	80	171.00	Rupees One Hundred Seventy One Only
15	Each	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. Stepped Fan Regulator Two Module	15	357.00	Rupees Three Hundred Fifty seven Only
16	Each	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. DP Switch	40	326.00	Rupees Three Hundred Twenty Six Only
17	Each	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6/16A Universal Socket	40	236.00	Rupees Two Hundred Thirty Six Only

18	Each	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 Way	10	177.00	Rupees One Hundred Seventy Seven Only
19	Each	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	10	220.00	Rupees Two Hundred Twenty Only
20	Each	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8 Way	10	261.00	Rupees Two Hundred Sixty One Only
21	Each	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way	10	319.00	Rupees Three Hundred Nineteen Only
22	Each	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 1 to 2 Module	10	137.00	Rupees One Hundred Thirty Seven Only

23	Each	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 4 Module	10	175.00	Rupees One Hundred Seventy Five Only
24	Each	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 6 Module	10	234.00	Rupees Two Hundred Thirty Four Only
25	Each	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 8 Module	15	284.00	Rupees Two Hundred Eighty Four Only
26	Each	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box10-12 Module	10	344.00	Rupees Three Hundred Forty Four Only
27	Each	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40 A SP	40	793.00	Rupees Seven Hundred Ninety Three Only

28	Each	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 A TPN	20	3088.00	Rupees Three Thousand Eighty Eight Only
29	Each	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.II - Double Door 4 Way SP & N	10	1524.00	Rupees One Thousand Five Hundred Twenty Four Only
30	Each	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.II - Double Door 8 Way SP & N	3	1854.00	Rupees One Thousand Eight Hundred Fifty Four Only
31	Each	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.II - Double Door 12 Way SP & N	3	2329.00	Rupees Two Thousand Three Hundred Twenty Nine Only
32	Each	Supplying and fixing regular MCCB distribution Panel confirming to IS/IEC 61439 - 3 and IK09 tested as per IS/IEC 62262 with minimum IP43 protection provided with Polyurethane (PUR) gasket, with	3	12605.00	Rupees Twelve Thousand Six Hundred

		suitable earthing system, on wall/wood board/flush mounting using required cl A , bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440V 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCB's as outgoings confirming to IS/IEC 60898 - 2. 8 Way			Five Only
33	Each	Supplying and fixing regular MCCB distribution Panel confirming to IS/IEC 61439 - 3 and IK09 tested as per IS/IEC 62262 with minimum IP43 protection provided with Polyurethane (PUR) gasket, with suitable earthing system, on wall/wood board/flush mounting using required cl A , bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440V 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCB's as outgoings confirming to IS/IEC 60898 - 2. 12 Way	2	15529.00	Rupees Fifteen Thousand Five Hundred Twenty Nine Only
34	Each	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuitwith adjustable thermal magnetic release, Micro processor release shall have Earth Fault as per IS/IEC 60947-2 . (Icu=100% lcs). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For	4	8487.00	Rupees Eight Thousand Four Hundred Eighty Seven Only

		Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. FOUR Pole 100 A 25 kA			
35	No.	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit . The pit should be filled with equal proportion of salt and charcoal 150 mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per lSI specification 7.3.3. of IS 732 using 12 mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	5	3510.00	Rupees Three Thousand Five Hundred Ten Only
36	Each	Supply and installation of 9kg Fire Extinguisher Mono Ammonium Phos phate Powder 90, Stored Pressure Type, Pressure Gauge, Gross Weight 14.9 Kg, empty weight 5.90 Kg, Can Height 615MM, Diameter 175M M, Discharge Time less than 13Secs, Controllable discharge mechanism (Squeeze grip with easy snap safety seal), Range minimum 4 meters, applicable on Class A,B, C and electrically started Fire, A Rating 4A, B Rating 348, Can construction : Deep drawn & Co., Mig welded, valve Construciton : Forging and Mechining, Internal Coating of Can: Epoxy powder coating, External	5	3100.00	Rupees Three Thousand One Hundred Only

		Coating of Can: Epoxy Polyster power coating, Sheet metal thickness: 2.00 M M, 5 years Warranty with instalert system with Superior quality EPDM Rubber Hosepipe etc., including cost cost of supporting materials like MS stand & accessaries if it is fixing n floor / MS brackets & accessories if it is fixing on wall,, labour, usage charges of machinery complete as per specifications. complete IS 15683 and CE Approved			
37	Each	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall/ ceiling / Rafter / Girders	160	122.00	Rupees One Hundred Twenty Two Only
38	Each	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S" hook with fan regulator to the existing board together with supplying and fixing 5 A. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	15	171.00	Rupees One Hundred Seventy One Only
39	Each	Fixing one exhaust fan in the nitch already left in the wall with boltsand nuts and 5 A. ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire	5	492.00	Rupees Four Hundred Ninety Two Only
40	Mtr	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.50 x 50 x 6 mm	20	395.00	Rupees Three Hundred Ninety Five Only
41	cm 2	Fabricating supplying and mounting MS box made out ....SWG suitable for floor	145000	0.50	Fifty Paise

		/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete 14 SWG			Only
42	cm 2	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N. F. screws.	40000	0.35	Thirty Five Paise Only
43	Mtr	Supplying ..... A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.100 A 4 x 30 x 6 mm Aluminium Strips	10.00	2465.00	Rupees Two Thousand Four Hundred Sixty Five Only
44	KM	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)	0.60	141842.00	Rupees One Lakh Forty One Thousand Eight Hundred Forty Two Only

45	KM	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 120 Sqmm, 3.5 Core, (23 GI Strips - 4 x 0.8 mm) (material code 287212)	0.35	456889.00	Rupees Four Lakhs Fifty Six Thousand Eight Hundred Eighty Nine Only
46	KM	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff 2.5 to 25 Sqmm	0.95	20886.00	Rupees Twenty Thousand Eight Hundred Eighty Six Only
47	m^3	Earth work excavation for cable trench of 0.5 to 0.75 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed.In Ordinary Rock without Blasting	250.00	345.00	Rupees Three Hundred Forty Five Only
48	Set	DIESEL GENERATOR SET 10. 1 Supplying, installing, testing and commissioning of Diesel Generator set with following specifications. Power rating as per standard reference condition as per-BS 5514/ISO 3046/ ISO 8528 & IS 1002/ISO 3046 Generator set specifications. Engine: Diesel generating set are rated at 1500RPM and conform to ISO 8528 specifications. The engines are radiator cooled, four stroke and multi cylinder, conforming to ISO 3046. The scope of supply	1.00	457067.00	Rupees Four Lakhs Fifty Seven Thousand Sixty Seven Only

		includes: Electrical starter motor12V DC Battery charging alternator, Bosch fuel system with mechanical governor, A1 Class. Spin-on lube oil filter, Spin-on dual fuel filter with water separator, Turbocharger, Charge air cooler, Silencer (Hospital grade), Dry type air cleaner, Shutoff coil, Flywheel and flywheel housing, First fill of lube oil and coolant, Safety for low lube oil pressure,			
		Safety for high water temperature, Permissible overload of 10% for one hour in 12 hours of operation Capacity of Fuel Tank: Fuel tank suitable for 8 hours of operation Alternator: Alternator is suitable for operation at 1500 RPM, 415 V, 0.8 pf (lag) suitable for 50 Hz, 3 phase, 4 wire systems, conforming to IS/IEC 60034-1. The Alternator is brush less type, screen protected, revolving field, self excited, self regulated through an AVR. The alternator shall have± 1.0% Voltage regulation (max) in static conditions- IP: 23 protections with insulation class F&H. Mounting arrangement: Engine and alternator are mounted on a common MS fabricated base frame with AVM pads. Control Panel: The control panel is manufactured with 14/16 gauge CRCA sheet and is powder coated for weather-proof and long lasting finish. The control panel consists of the following parts:- PS0500 Controller, Aluminium bus bars with suitable capacity within/outgoing terminals, Indicating lA for 'Load On' and 'Set Running', Instrument fuses duly wired and ferruled, MCCB of suitable rating with overload and short circuit protections. Genset Controller: microprocessor based generator set monitoring and	1.00	58711.00	Rupees Fifty Eight Thousand Seven Hundred Eleven Only

		control system. The control provides a simple operator interface to the generator set, manual and remote start/ stop control, shutdown fault indication, and an LCD hour counter. The integration of all functions into a single control system providesenhanced reliability and performance compared to conventional generator set control systems.			
		This control has been designed and tested to meet harsh environment in which gensets are typically applied. Features, Functions, protections 16 character x 2 line alphanumeric LCD display with LED Backlight Operator interface, Provide a record of most recent fault conditions. Fault history stored in the control non volatile memory, Provide Alternator Data. Voltage (1 ph or 3 ph line to line and line to neutral voltage, Current (1 ph or 3 ph), kVA (3 ph and total), Frequency, Provide Engine Data, Starting battery voltage, Engine running hours,Engine Temp, Engine oil pressure, Control includes provision for Service adjustment and calibration of DG control functions, Voltage, frequency selection, Configurable input and output set up, Meter calibration, Engine controls, Power Start operates on 12 VDC batteries,-Auto start mode accepts a ground signal from remote devices to automatically start the DG set The remote start will also	4.00	13500.00	Rupees Thirteen Thousand Five Hundred Only

		wake up the control system from sleep mode. Engine Starting -The control system supports automatic engine starting, Primary and back up start disconnects are achieved by battery charging alternator feedback or main alternator output frequency. Controller provide configurable time delay of 0-300 sees to start after remote start signal and time delay of 0- 600secs prior to shut down after stop signal. Sleep mode increase battery life. Configurable current settings from low to minimize current draw when genset is not working. Engine Protective functions include, Configurable alarm output, Emergency stop: Annunciated whenever an emergency stop signal is received by the control. Low lube oil pressure warning and Shutdown, High engine water temp warning / Shutdown, Low coolant temp warning, Sensor failure indication, Low and high battery voltage warning, Weak battery warning, Fail to start shut down, Cracking lockout: Control will not allow the starter to engage or to crank the running engine Cyclic cranking: Configurable for the number of starting cycle, (1 to 7) and duration of crank and rest periods. Alternator Protective functions includes, - High and Low AC voltage shut down, Under and Over			

		frequency shutdown / warning, Loss of sensing voltage input shut down.Acoustic enclosure: The acoustic enclosure shall be made of 1.6 mm thick CRCA sheets in suitable approved shade and a structural/ sheet metal base frame painted in black.			
		The walls of the enclosure are insulated with fire retardant foam so as to comply with the 75dBA at 1 m sound levels specified by Ministry of Environment & Forest The enclosure has the following features: Specially esigned to meet stringent MOEF/CPCB norms of 75dBA @ 1 m at 75% load under free field conditions, Two point lifting for easy handling at customer site, Designed to have optimum serviceability, Air inlet louvers specially designed to operate at rated load made on special purpose CNC machines for consistency in quality and workmanship, Powder coated for long lasting service life and superior finish, With UV resistant powder coating, can withstand extreme environment, Use of special hardware for longer life,30KVA/24W Insulation material meets exacting IS 8183 specifications for better sound attenuation, Flush styling - no projections, Fluid drains for lube oil and fuel, Fuel filling point inside the enclosure. The complete	20.00	18581.00	Rupees Eighteen Thousand Five Hundred Eighty One Only

		set shall have sufficient safety and adhere to NEC, NBC 2016, IEC, CPWD specifications, PCB norms and KSGEI Acts and Rules. (30KVA/24kw)			
49	Each	Supply, Erection, testing and commissioning of AMF panel suitable for .....kVA DG set. The panel is of cubical type base/floor mounting control panel with hinged doors, undrilled bottom gland plate, aluminium Bus Bar with the accommodation for .....A 4 pole contactor for alternator with thermal O/L relay,..... A 4 pole contactor for mains, HRC fuse for short circuit protection, Microprocessor based AMF module with supply failure timer, Restoration timer, 3 impulse automatic engine start/stop logic, Mains/generator voltage, ...capacity bypass switch and frequency sensing, PCC 1301controller with water temperature/Lube oil pressure/ engine speed, Voltage/ampere/Frequency/ kVA, Running-hour count, No of starts, Fault indication, over / under speed, Fails to start, Low oil pleasure, High engine temperature, Under/over voltage, over current, Earth fault relay, with indications for Mains on, Load on Mains, Battery charger on Push buttons AMF module by pass Mode,	20	162.00	Rupees One Hundred Sixty Two Only

		Battery charger unit with inbuilt Auto/Manual and Flat/Boost facility. The complete set shall have sufficient safety and adhere to NEC, NBC 2016, IEC, CPWD specifications, PCB norms and KSGEI Acts and Rules.15 KVA to 30 KVA			
50	Each	Fabricating, supplying and erection of ... ms long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/s for .....m Pole in single section and single joint welded as per IS 9595/IS10178AWS having dimensions bottom ..... mm , top.... mm with 3 mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.7 m - Top 70 mm and Bottom 130 mm dia	30	269.00	Rupees Two Hundred Sixty Nine Only
51	Each	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp	30	379.00	Rupees Three Hundred Seventy

		compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection-Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing			Nine Only

		/ Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/umileds/Osram make LED Source. LED Floodlight 200W			
52	Each	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	30	555.00	Rupees Five Hundred Fifty Five Only

Appendix B

Staff/ Man Power deployment and office structure for each package (Details indicated below are the minimum requirement to be provided compulsorily)

Sl No	Particulars	Requirement
1.	Ladder jeep with Driver	One vehicle/jeep with insulated aluminium ladder for each Package, for day-to-day work of maintenance. RTO permit for the use of ladder jeep for maintenance of street lights shall be enclosed to the tender. and Driver with suitable Driving LIcense
2.	Electrician and Helper	Minimum 1 Electrician and 1 Helper per batch per package
3.	Switching ON/OFF staff (Electricians)	One person for every 25 (twenty five) manual switches;
4.	Office with telephone facility to be located within the package area	One office for each package at a suitable location to cover Entire package area comfortably (preferably centre place of the package area) and also a clerical assistant to manage the complaints/ office
5.	Office working Hours (Complaint Centre)	from Morning 8.00 AM to Night 9 PM.

6.	Telephone/Mobile	Company/agency/contractor should submit one permanant contact number for communication purpose.
7.	Communication system	Adequate communication system to be provided to employees for communication between the maintenance staff and BBMP officers as desired by BBMP.

Appendix C

Staff/ Man Power deployment and office structure for each package (Details indicated below are the minimum requirement to be provided compulsorily)

Sl No	Particulars	Requirement
8.	Ladder jeep with Driver	One vehicle/jeep with insulated aluminium ladder for each Package, for day-to-day work of maintenance. RTO permit for the use of ladder jeep for maintenance of street lights shall be enclosed to the tender. and Driver with suitable Driving LIcense
9.	Electrician and Helper	Minimum 1 Electrician and 1 Helper per batch per package
10.	Switching ON/OFF staff (Electricians)	One person for every 25 (twenty five) manual switches;
11.	Office with telephone facility to be located within the package area	One office for each package at a suitable location to cover Entire package area comfortably (preferably centre place of the package area) and also a clerical assistant to manage the complaints/ office
12.	Office working Hours (Complaint Centre)	from Morning 8.00 AM to Night 9 PM.
13.	Telephone/Mobile	Company/agency/contractor should submit one permanant contact number for communication purpose.
14.	Communication system	Adequate communication system to be provided to employees for communication between the maintenance staff and BBMP officers as desired by BBMP.